

**THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT (ARTICLE 34):**

Amended Sheet (Page 8)

We claim:-

1. A process for the preparation of polyisobutene containing at
5 least 75 mol% of terminal vinylidene groups, in which
isobutene or an isobutene-containing hydrocarbon mixture is
polymerized in the liquid phase in the presence of a boron
trifluoride complex catalyst having the composition
10 $a(\text{BF}_3) : b(\text{Co1}) : c(\text{Co2})$
where
15 - Co1 is at least one tertiary alcohol,
- Co2 is at least one compound selected from water, primary
alcohols, secondary alcohols, dialkyl ethers,
alkanecarboxylic acids and phenols,
20 - the ratio $c:b$ is from 0.9 to 1.8 and
- the ratio $(b+c):a$ is from 0.9 to 3.0.
25 2. A process as claimed in claim 1, Co1 being tert-butanol.
3. A process as claimed in claim 1 or 2, Co2 being methanol,
ethanol, 2-propanol or 2-butanol.
30 4. A process as claimed in claim 1 or 2, Co2 being a dialkyl
ether, in which at least one alkyl radical is a secondary or
tertiary alkyl radical.
5. A process as claimed in any of the preceding claims for the
35 preparation of polyisobutenes having a number average
molecular weight M_n of from 500 to 50 000 Dalton.

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REPLACED BY
ART 51 AND 52